



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING

140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

[www.miamidade.gov](http://www.miamidade.gov)

## NOTICE OF ACCEPTANCE (NOA)

**MetalWorks, LLC**  
2545 Monroe Drive, Suite E  
Gainesville, Georgia 30507

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION:** 0.038' (min.) Galvalume 3" deep x 16" wide Panel for Canopy

**APPROVAL DOCUMENT:** Drawing No. D1, sheets 1 through 5 of 5, titled "20 ga. (0.038" min.) Galvalume 16" x 3" Deck Pans", prepared by PTC Product Design Group, LLC, dated December 01, 2007, last revision A dated April 19, 2013, signed and sealed by Robert J. Amoroso, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** None

**LABELING:** Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises & renews NOA # 07-0924.04 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



*Helmy A. Makar*  
09/05/2013

NOA No. 13-0430.03  
Expiration Date: 05/15/2014  
Approval Date: 09/05/2013  
Page 1

**MetalWorks, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #96-1112.03**

**A. DRAWINGS**

Title: 20 ga. galvalume 3" x 16" Deck Pans  
Number: D1 through D4  
Signature: William M. Meyers, P.E.  
Date: 10/26/96  
Revision Date: 01/08/97 and 01/14/97

**B. TESTS**

Laboratory: Hurricane Engineering and Testing Inc.  
Number: HETI-96-563  
Type: Uniform static air pressure wind load per ASTM E330.  
Signature: Hector M. Medina, P.E.  
Date: 11/05/96

**C. CALCULATIONS**

Title: 3" x 16" Galvalume Panel  
Signature: William M. Meyers, P.E.  
Date: 10/26/96

**2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #99-1207.03**

**A. DRAWINGS**

1. *None.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. MATERIAL CERTIFICATIONS**

1. *None.*

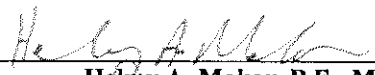
**E. STATEMENTS**

1. *Letter from Wm. M. Meyers, P.E., dated February 22, 2000, stating that the product has not changed from NOA No. 96-1112.03 and stating also that he is still in the engineering business.*

**3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #03-0325.01**

**A. DRAWINGS**

1. *Drawing No. D1, D2, D3, & D4, titled " 20 ga. (0.038" min.) Galvalume ", sheet*

  
Helmy A. Makar, P.E., M.S.  
Product Control Unit Supervisor  
NOA No. 13-0430.03  
Expiration Date: 05/15/2014  
Approval Date: 09/05/2013

**MetalWorks, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

*1 of 1, each drawing, prepared by Orange State Industries, dated April 02, 2003, signed and sealed by Carlos F. Castillo, P.E. on April 10, 2003.*

**B. TESTS**

*1. None.*

**C. CALCULATIONS**

*1. None.*

**D. MATERIAL CERTIFICATIONS**

*1. None.*

**4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #07-0924.04**

**A. DRAWINGS**

*1. Drawing No. D1, D2, D3, & D4, titled " 20 ga. (0.038" min.) Galvalume ", sheet 1 of 1, each drawing, prepared by Orange State Industries, dated April 02, 2003, signed and sealed by Carlos F. Castillo, P.E. on April 10, 2003.*

**B. TESTS**

*1. None.*

**C. CALCULATIONS**

*1. None.*

**D. MATERIAL CERTIFICATIONS**

*1. None.*

**5. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

*1. Drawing No. D1, sheets 1 through 5 of 5, titled " 20 ga. (0.038" min.) Galvalume 16" x 3" Deck Pans ", prepared by PTC Product Design Group, LLC, dated December 01, 2007, last revision A dated April 19, 2013, signed and sealed by Robert J. Amoruso, P.E.*

**B. TESTS**


*1. None.*

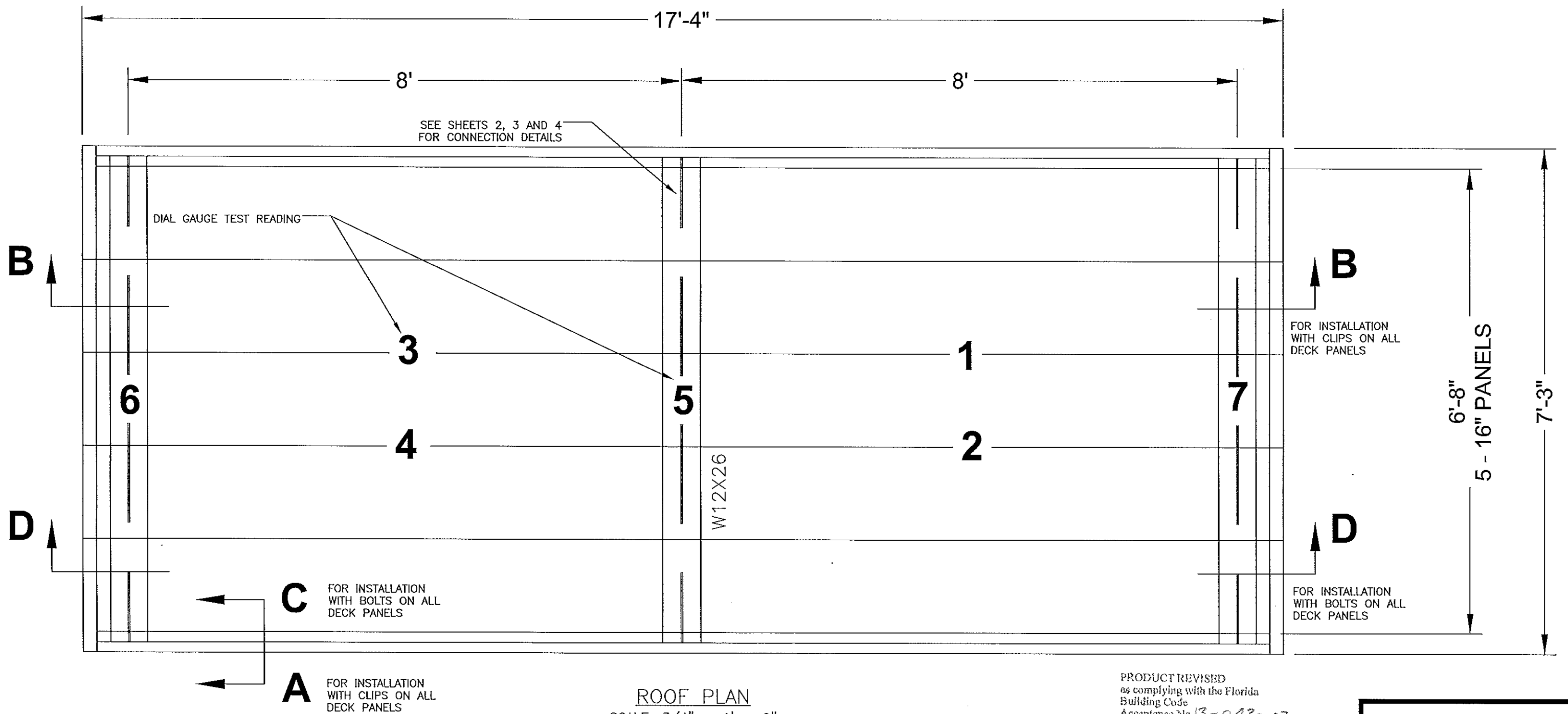
**C. CALCULATIONS**

*1. None.*

**D. MATERIAL CERTIFICATIONS**

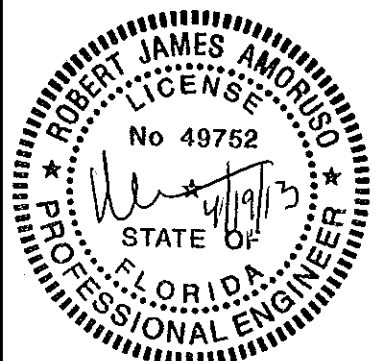
*1. None.*

  
\_\_\_\_\_  
Helmy A. Makar, P.E., M.S.  
Product Control Unit Supervisor  
NOA No. 13-0430.03  
Expiration Date: 05/15/2014  
Approval Date: 09/05/2013



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0430.03  
Expiration Date 05/15/2014  
By *Healy A. Healy*  
Miami Dade Product Control

Robert J. Amoroso, P.E.  
Florida P.E. No. 49752



**Metalworks, LLC**  
2545 Monroe Dr, Suite E  
Gainesville, GA. 30507  
Phone: 770-532-6311

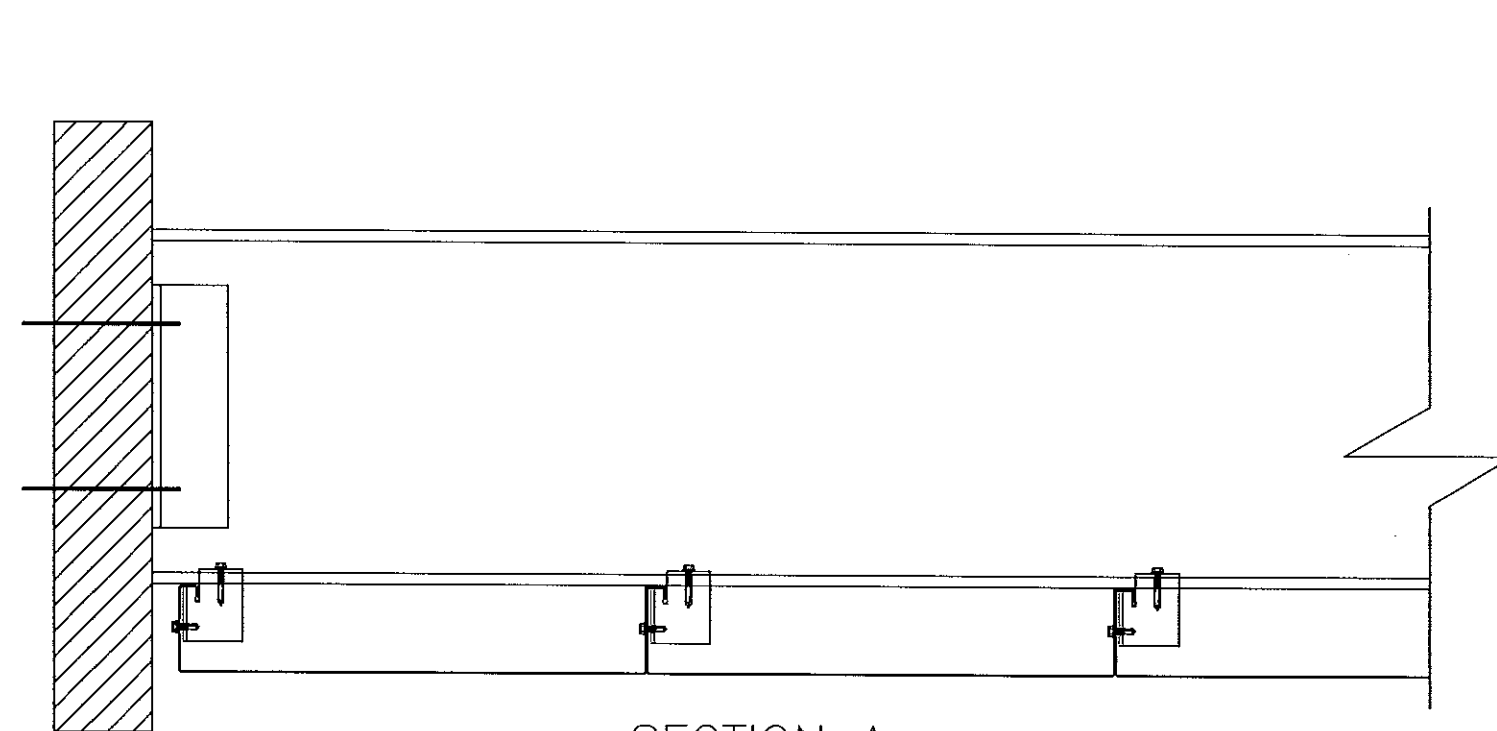
TITLE: 20 GA. (0.038"MIN.) GALVALUME  
16" X 3" DECK PANS

PROJECT NO. 413-0209

PREPARED BY: **PTC**  
PTC PRODUCT DESIGN GROUP, LLC  
P.O. Box 520775 Longwood, FL 32752-0775  
FBPE Cert. of Auth. No. 25935  
Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com

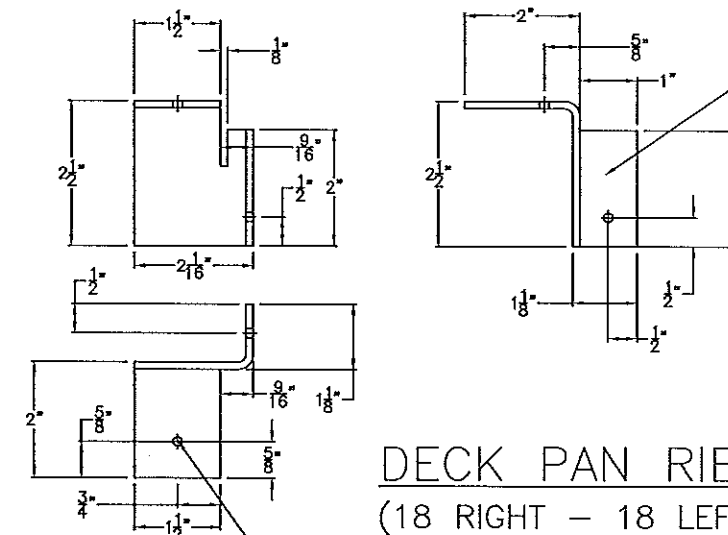
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SCALE: -  
REV: A  
DATE: 12/1/07  
DRAWING NO: D1  
SHEET: 1 OF 5

REV	DESCRIPTION	DATE	BY
A	UPDATE TO 2010 FBC	4/19/13	RJA

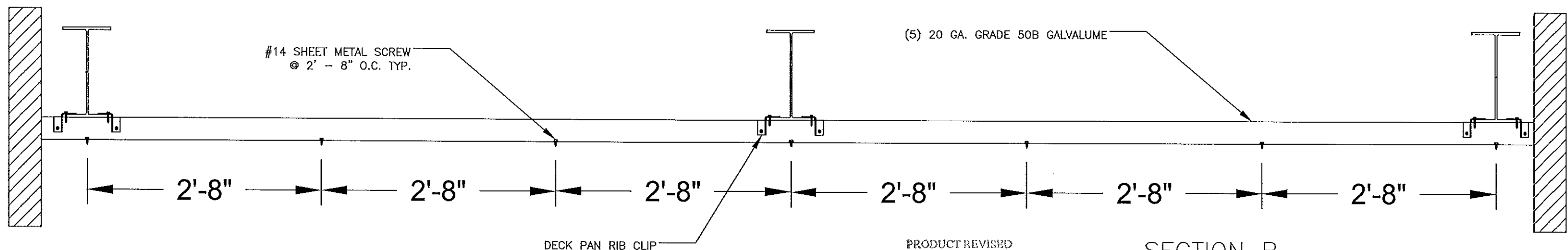


SECTION A  
SCALE: 1 1/2" = 1' - 0"

18 GA. STEEL "DECK PAN RIB CLIP"  
EACH SIDE W/(1) 12-24 X 1 1/4"  
HWH TEKS/5 FASTENED TO STRINGER AND  
(1) 12-14 X 3/4" HWH TEKS/3  
FASTENER THRU DECK PAN RIBS.



1/4" DIAMETER HOLE  
THROUGH TYPICAL.



SECTION B  
SCALE: 3/4" = 1' - 0"

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 13-0430.03  
Expiration Date 05/15/2014  
By *[Signature]*  
Miami Dade Product Control



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TITLE: 20 GA. (0.038"MIN.) GALVALUME  
16" X 3" DECK PANS

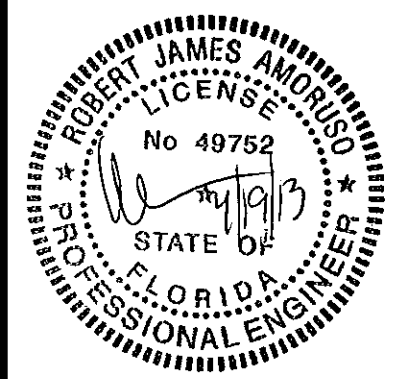
PREPARED BY: **PTC**  
PTC PRODUCT DESIGN GROUP, LLC  
P.O. Box 520775 Phone: 321.690.1788  
Longwood, FL 32752-0775 Fax: 321.690.1789  
FBPE Cert. of Auth. No. 25935 Email: info@ptc-corp.com

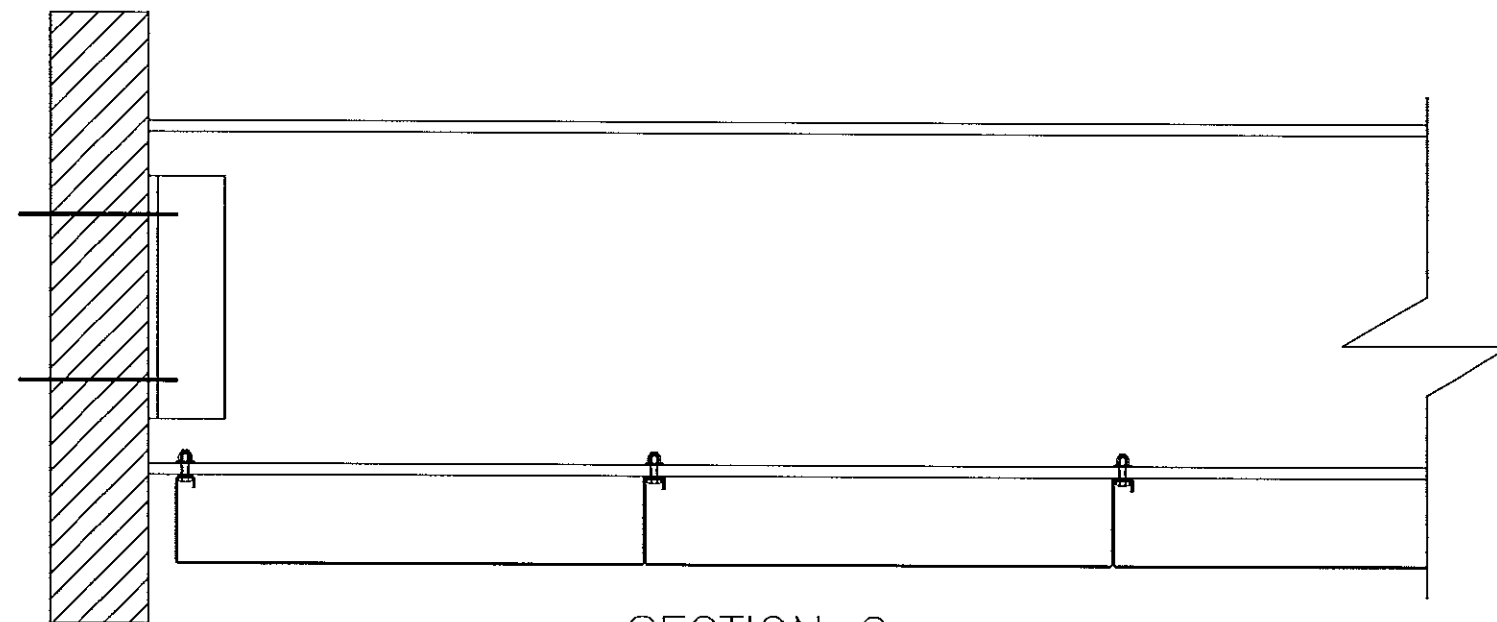
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SCALE: -  
REV: A  
DATE: 12/1/07  
DRAWING NO: D1  
SHEET: 2 OF 5

PROJECT NO. 413-0209

REV	DESCRIPTION	DATE	BY
A	UPDATE TO 2010 FBC	4/19/13	RJA

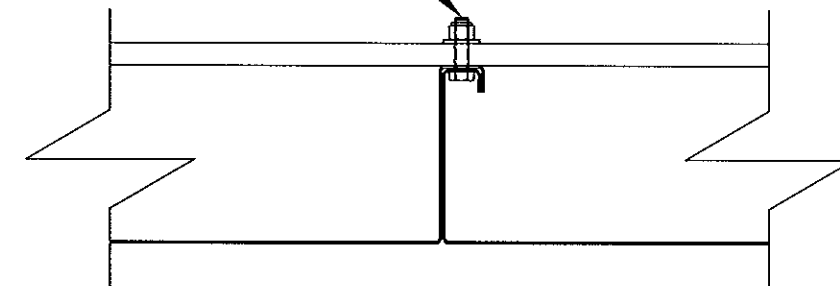
Robert J. Amoroso, P.E.  
Florida P.E. No. 49752



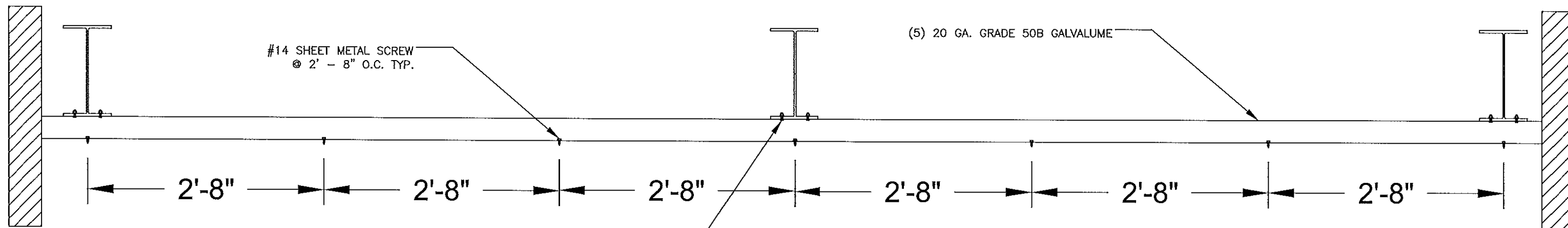


SECTION C  
SCALE: 1 1/2" = 1' - 0"

1/4" - 20 X 1" PHILLIPS PAN  
STAINLESS STEEL MACHINE  
SCREW W/ SN, SW @ 16" O.C.  
EACH SIDE.



CONNECTION DETAIL  
SCALE: 6" = 1' - 0"



SECTION D  
SCALE: 3/4" = 1' - 0"

PRODUCT REVISED  
as complying with the Florida  
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Acceptance No. 13-0430.03  
Expiration Date 05/15/2014  
By: *[Signature]*  
Miami Dade Product Control



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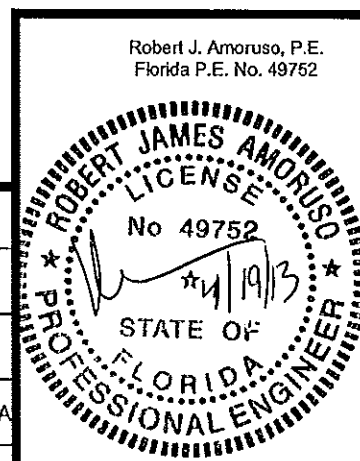
TITLE: 20 GA. (0.038"MIN.) GALVALUME  
16" X 3" DECK PANS

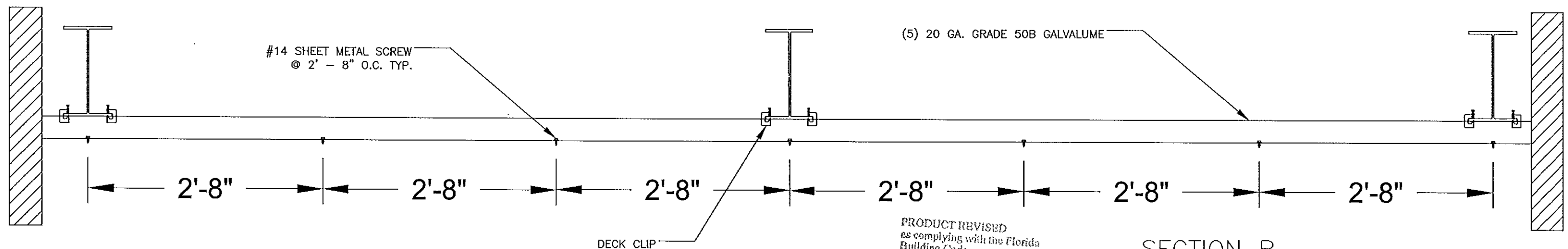
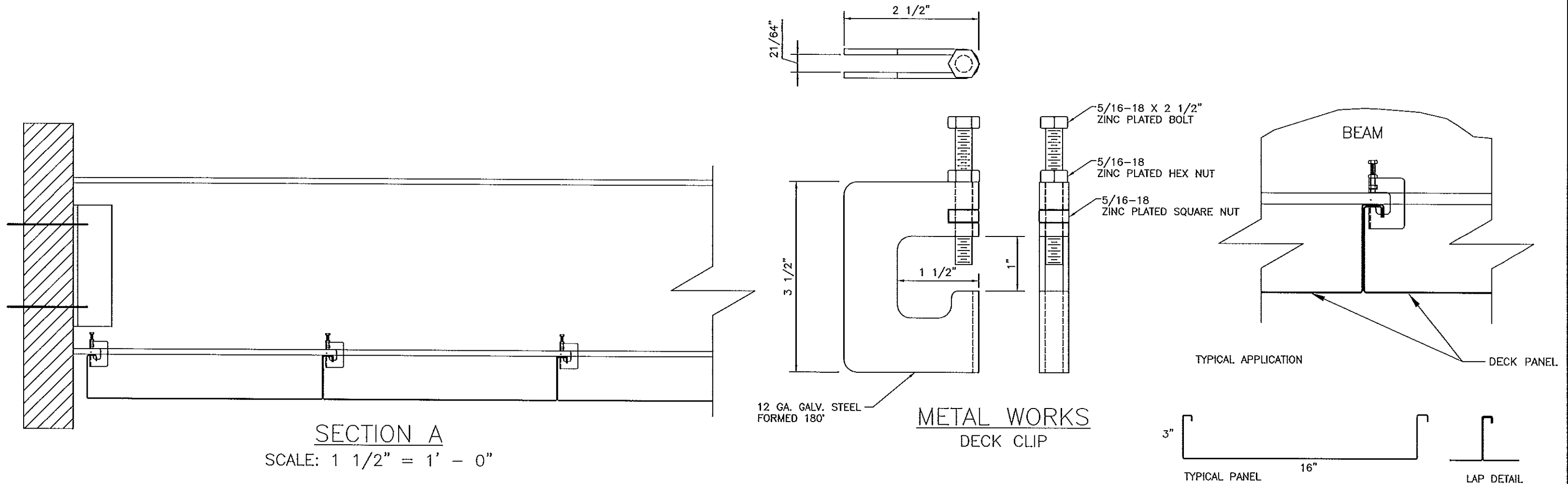
PREPARED BY: **PTC**  
PTC PRODUCT DESIGN GROUP, LLC  
P.O. Box 520775  
Longwood, FL 32752-0775  
FBPE Cert. of Auth. No. 25935  
Phone: 321.690.1788  
Fax: 321.690.1789  
Email: info@pto-corp.com

DRAWN BY: BGH  
SCALE: -  
REV: A  
DATE: 12/1/07  
DRAWING NO: D1  
SHEET: 3 OF 5

PROJECT NO. 413-0209

REV	DESCRIPTION	DATE	BY
A	UPDATE TO 2010 FBC	4/19/13	RJA





PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0430-03  
Expiration Date 05/15/2014  
By *[Signature]*  
Miami Dade Product Control

SECTION B  
SCALE: 3/4" = 1' - 0"



**Metalworks, LLC**  
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TITLE: 20 GA. (0.038"MIN.) GALVALUME  
16" X 3" DECK PANS

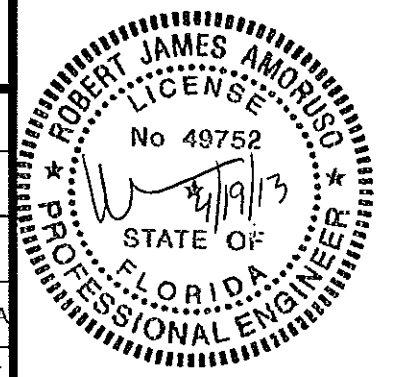
PREPARED BY: **PTC**  
PTC PRODUCT DESIGN GROUP, LLC  
P.O. Box 520775 Phone: 321.690.1788  
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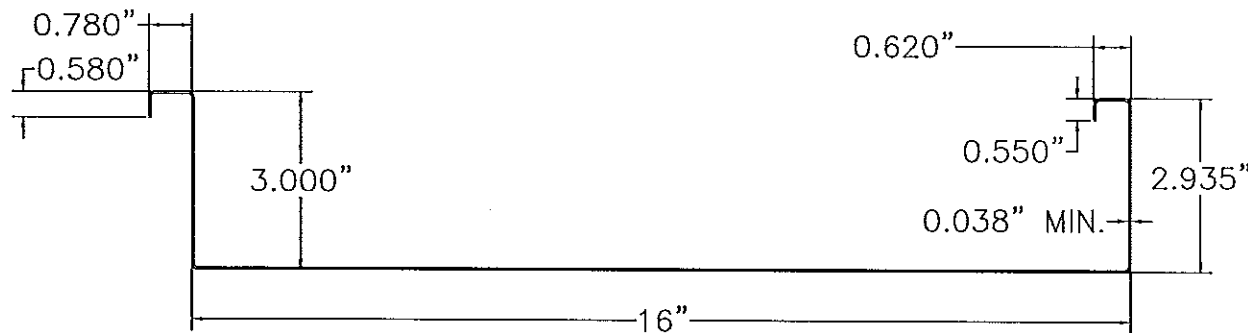
DRAWN BY: BGH  
SCALE: -  
REV: A  
DATE: 12/1/07  
DRAWING NO: D1  
SHEET: 4 OF 5

PROJECT NO. 413-0209

REV	DESCRIPTION	DATE	BY
A	UPDATE TO 2010 FBC	4/19/13	RJA

Robert J. Amoroso, P.E.  
Florida P.E. No. 49752





20 GA. (0.038" MIN.) GALVALUME DECK

# PANEL SPECIFICATIONS

1. STEEL DECK SHALL BE EMBOSSED GALVALUME 20GA. (.038 MIN.) ASTM A792-94 GR. 50B

A. PANEL WITH CLIPPED CONNECTIONS (COMPLY WITH DETAILS ON SHEET 2 OF DRAWING NUMBER D1)

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORT = 800 FT. LBS.

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL BETWEEN SUPPORTS = 460 FT. LBS.

EI VALUE OF PANEL =  $10.7 \times 10^6$  LBS. IN  $^2$

MAXIMUM ALLOWABLE DEFLECTION OF PANEL =  $L/180$

MAXIMUM SUPPORT REACTION = 709 LBS. (FOR TWO CLIPS PER SUPPORT AS SHOWN ON SHEET 2 OF DRAWING NUMBER D1).

B. PANEL WITH BOLTED CONNECTIONS (COMPLY WITH DETAILS ON SHEET 3 OF DRAWING NUMBER D1)

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORT = 933 FT. LBS.

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL BETWEEN SUPPORTS = 537 FT. LBS.

EI VALUE OF PANEL =  $10.7 \times 10^6$  LBS. IN  $^2$

MAXIMUM ALLOWABLE DEFLECTION OF PANEL =  $L/180$

MAXIMUM SUPPORT REACTION = 897 LBS. (FOR TWO  $\frac{1}{4}$ "-20 X 1" PHILLIP PAN STAINLESS STEEL MACHINE SCREWS WITH SN AND SW PER SUPPORT AS SHOWN ON SHEET 3 OF DRAWING NUMBER D1).

C. PANEL WITH DECK CLIP CONNECTIONS (COMPLY WITH DETAILS ON SHEET 4 OF DRAWING NUMBER D1)

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORT = 933 FT. LBS.

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL BETWEEN SUPPORTS = 537 FT. LBS.

EI VALUE OF PANEL =  $10.7 \times 10^6$  LBS. IN  $^2$

MAXIMUM ALLOWABLE DEFLECTION OF PANEL =  $L/180$

MAXIMUM SUPPORT REACTION = 897 LBS. (FOR TWO DECK CLIPS PER SUPPORT AS SHOWN ON SHEET 4 OF DRAWING NUMBER D1).

2. THE ABOVE ALLOWABLES OF THE CLIPPED AND BOLTED CONNECTIONS PANELS ARE BASED ON A 16" WIDE PANEL LOADING. TO GET THE WIND LOAD PRESSURE PER SQUARE FOOT, MULTIPLE PANEL LOAD TIMES 12/16.

3. THIS PANEL SHOULD BE USED ONLY IN THE CONSTRUCTION OF OPEN CANOPIES.

4. EACH ACTUAL CANOPY PROJECT SHALL BE CONSTRUCTED USING THE SAME PANEL CROSS SECTION AND SUPPORT DETAILS AT STRINGERS AND INTERLOCKING SEAMS AS SHOWN ON THIS TEST. THE DESIGN OF THE PANEL SPAN SHALL BE IN COMPLIANCE WITH ALL OF THE ABOVE ALLOWABLES.

## DESIGN SPECIFICATIONS

1. CANOPIES SHALL BE DESIGNED IN COMPLIANCE WITH THE FLORIDA BUILDING CODE, 2010 AND ACCORDING TO WIND PROVISIONS OF ASCE 7-10.

2. CLIPPED CONNECTION - TEST PRESSURE = +150/-160 PSF  
DESIGN PRESSURE = COMPLY WITH THE PANEL SPECIFICATIONS SHOWN ABOVE.

3. BOLTED CONNECTION - TEST PRESSURE = +190/-175 PSF  
DESIGN PRESSURE = COMPLY WITH THE PANEL SPECIFICATIONS SHOWN ABOVE.

4. DECK CLIP CONNECTION -TEST PRESSURE = +190/-175 PSF  
DESIGN PRESSURE = COMPLY WITH THE PANEL SPECIFICATIONS SHOWN ABOVE.

5. LIVE LOAD TEST PRESSURE = 30 PSF.

PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance No. 13-9439.03  
Expiration Date 02/15/2014  
By *[Signature]*  
Miami Dade Product Control



**Metalworks, LLC**  
2545 Monroe Dr, Suite E  
Gainesville, GA. 30507  
Phone: 770-532-6311

TITLE: 20 GA. (0.038"MIN.) GALVALUME  
16" X 3" DECK PANS

PREPARED BY: **PTC**  
PTC PRODUCT DESIGN GROUP, LLC  
P.O. Box 520775  
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Email: info@ptc-corp.com

DRAWN BY: BGH  
SCALE: -  
REV: A  
DATE: 12/1/07  
DRAWING NO: D1  
SHEET: 5 OF 5

PROJECT NO. 413-0209

REV	DESCRIPTION	DATE	BY
A	UPDATE TO 2010 FBC	4/19/13	RJA

